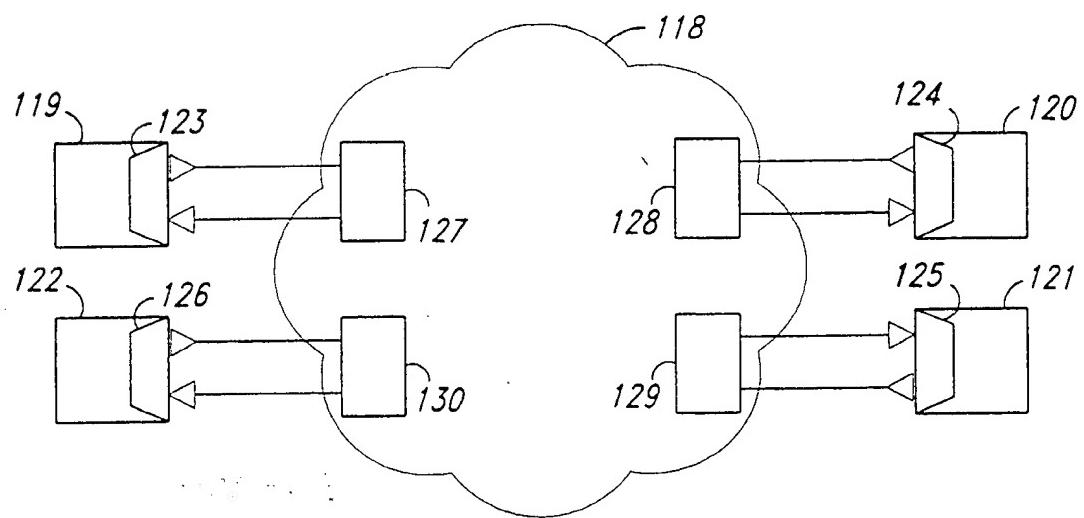
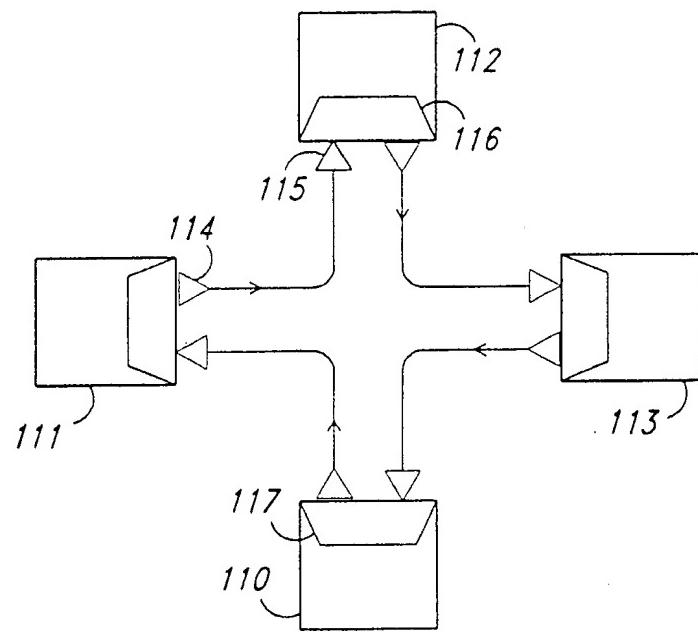
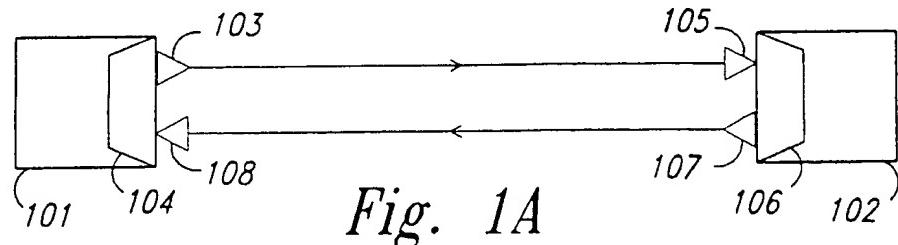


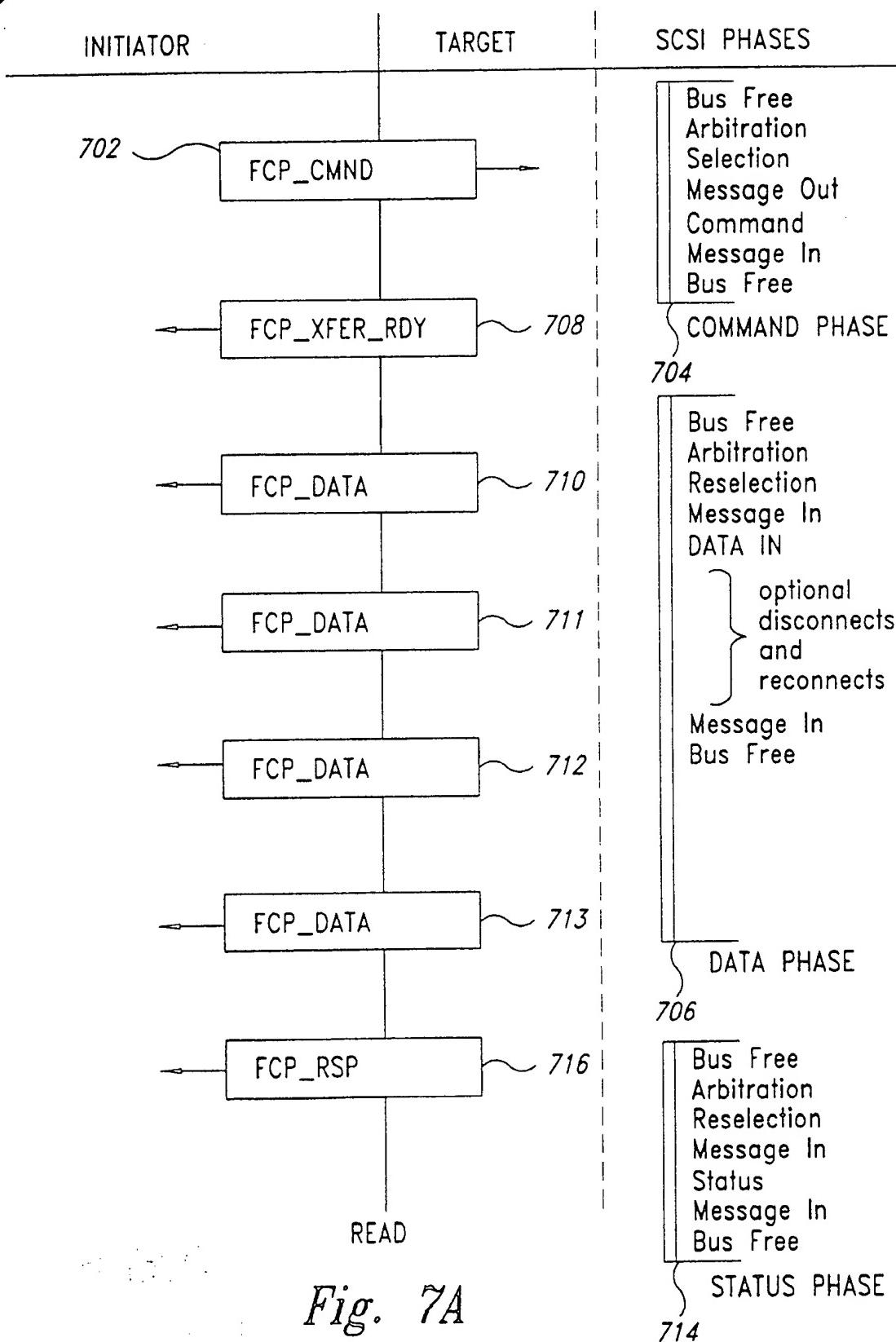


Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT
FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1





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FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1



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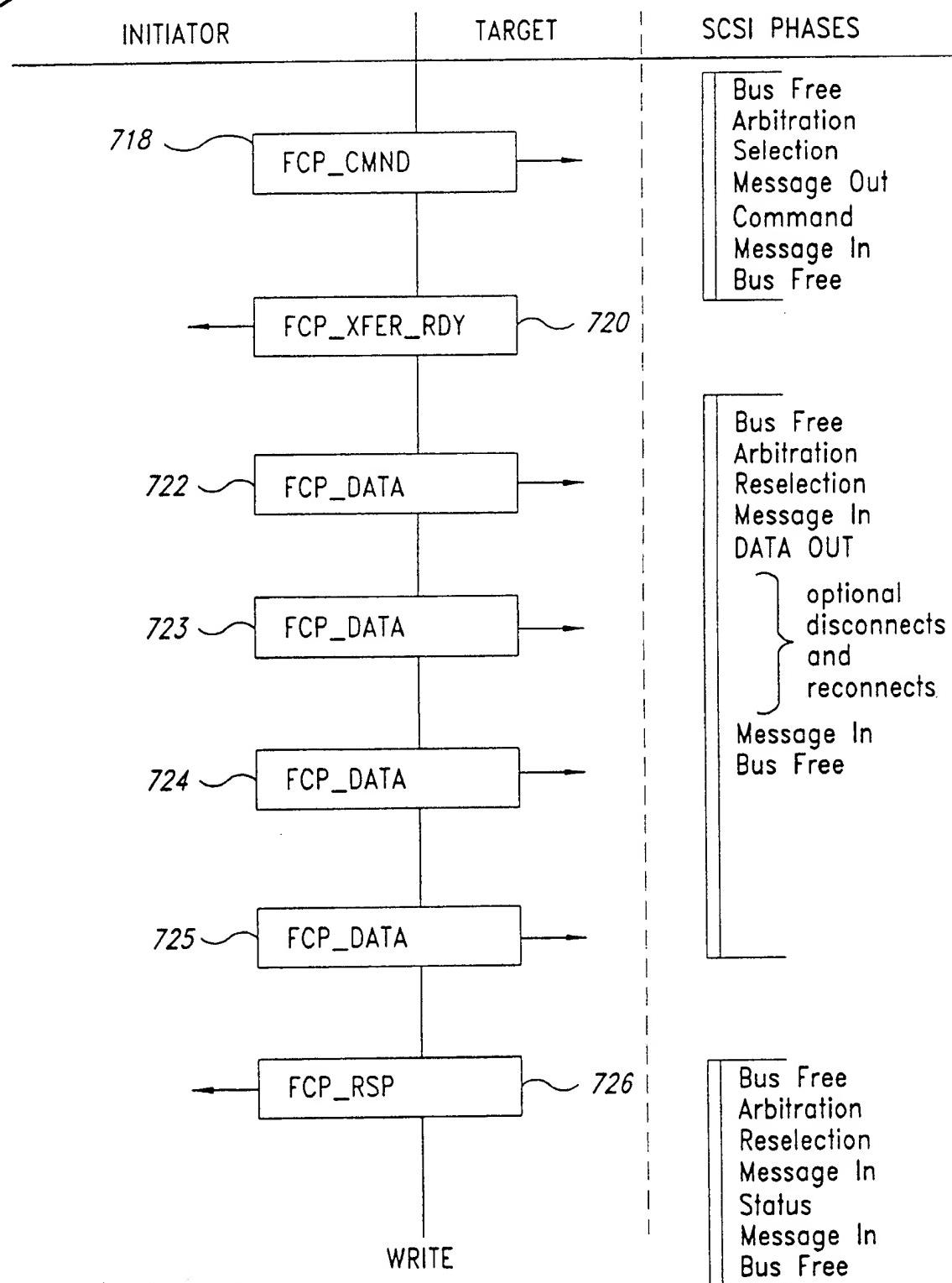


Fig. 7B



Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT
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Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
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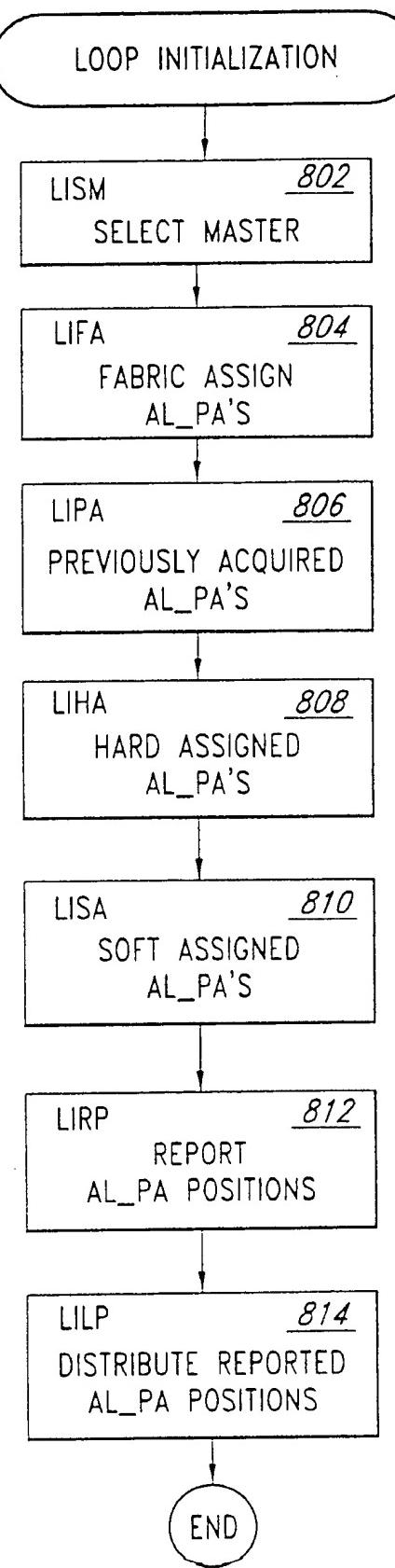


Fig. 8

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Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A FIBER CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
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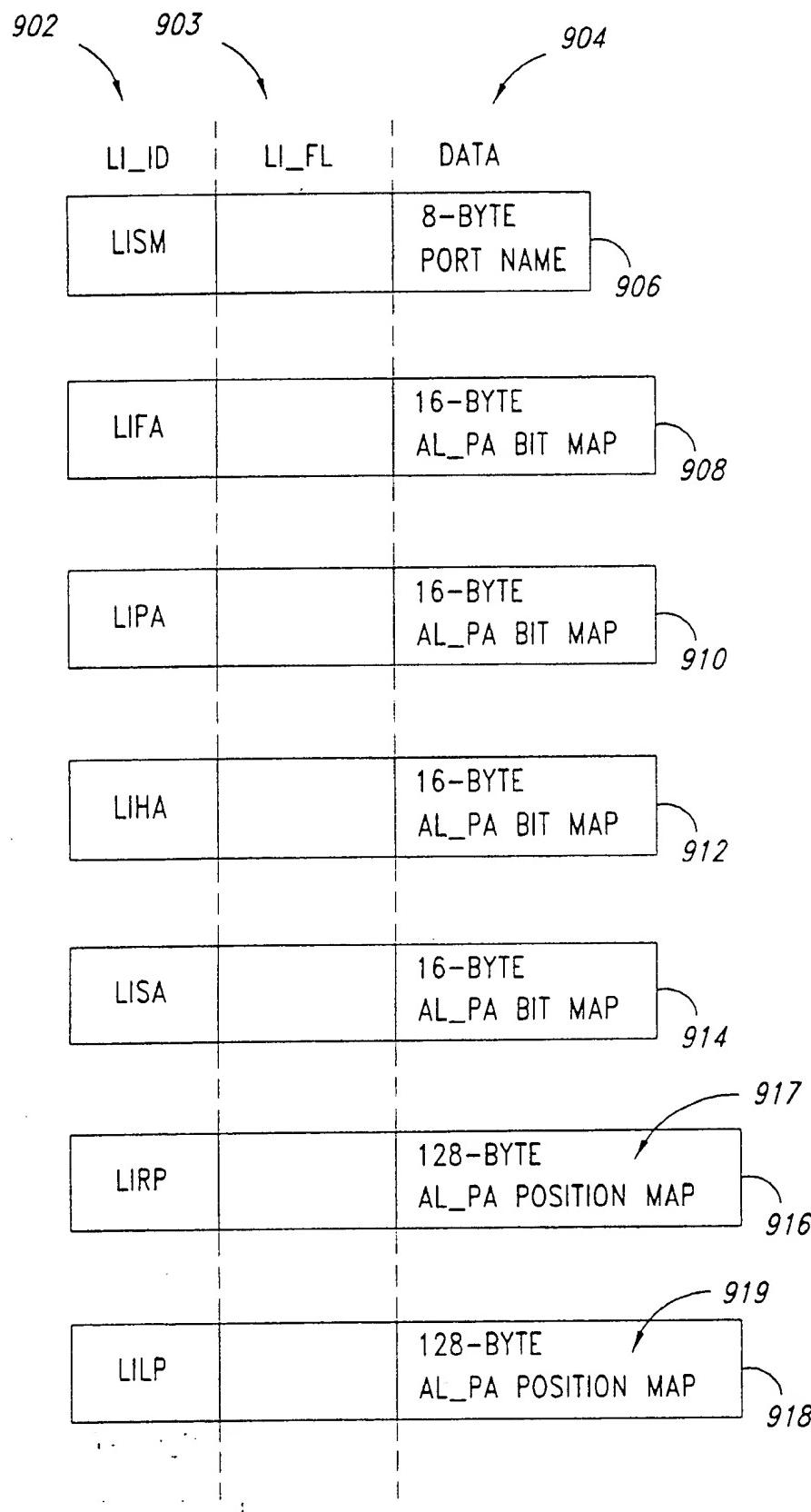


Fig. 9



Title: PRIVATE AUTOMATED LOOP SELF-TEST MANAGEMENT FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

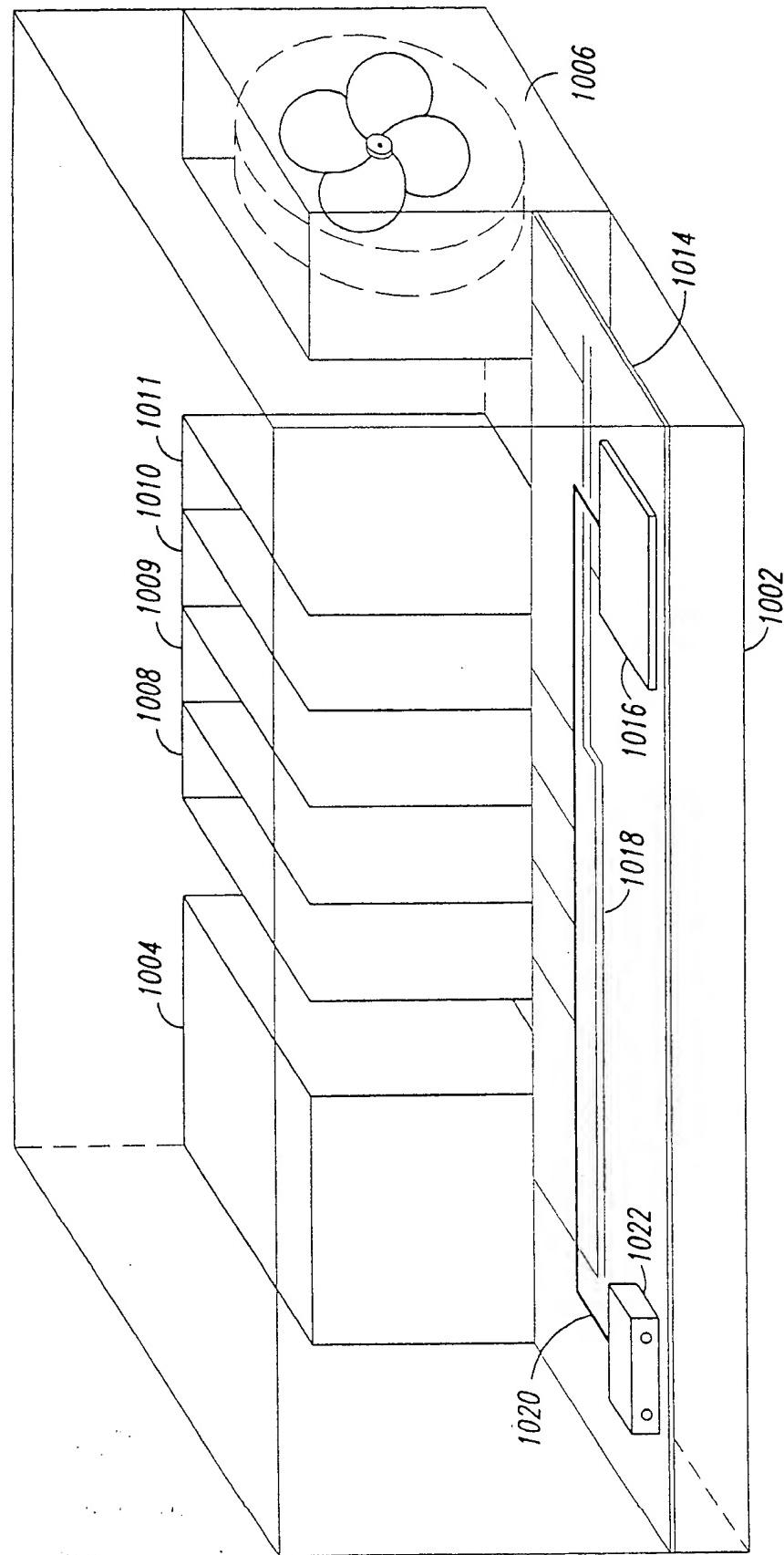


Fig. 10



Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT
FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

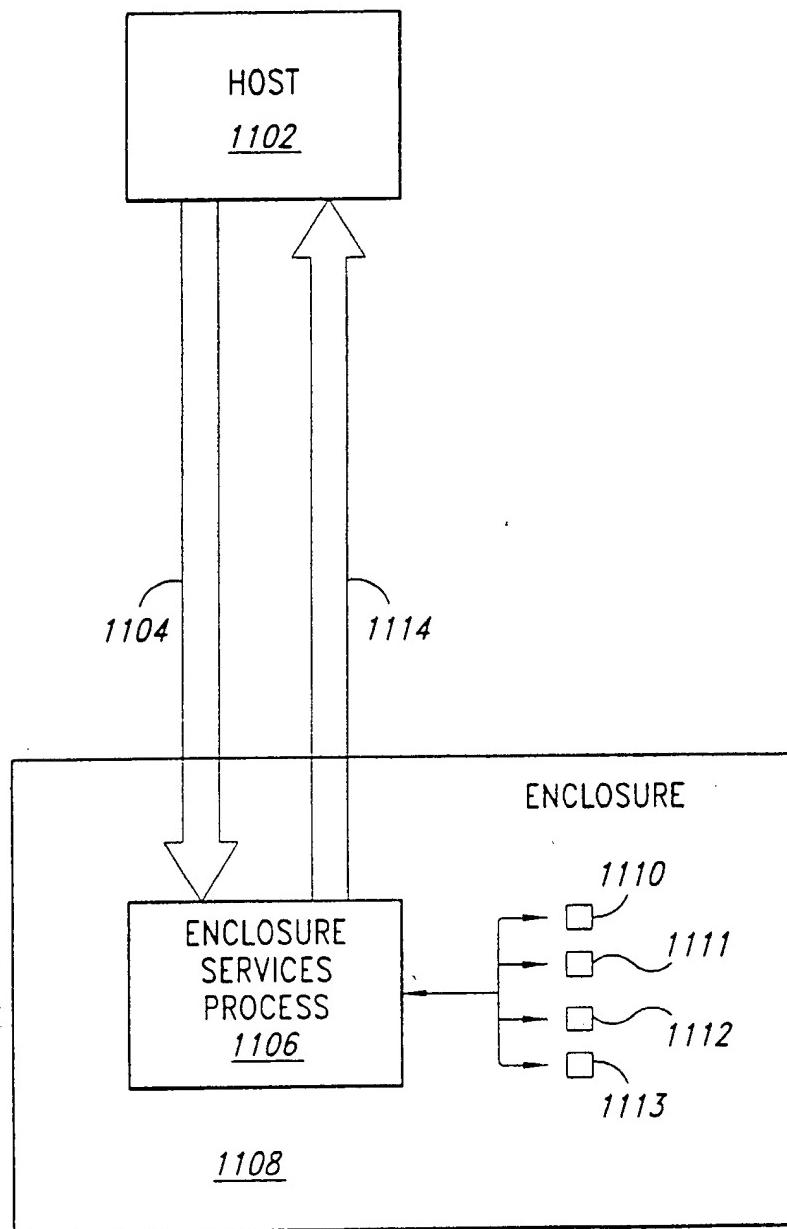


Fig. 11



Title: PRIVATELY MEDIATED LOOP SELF-TEST MANAGEMENT
FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

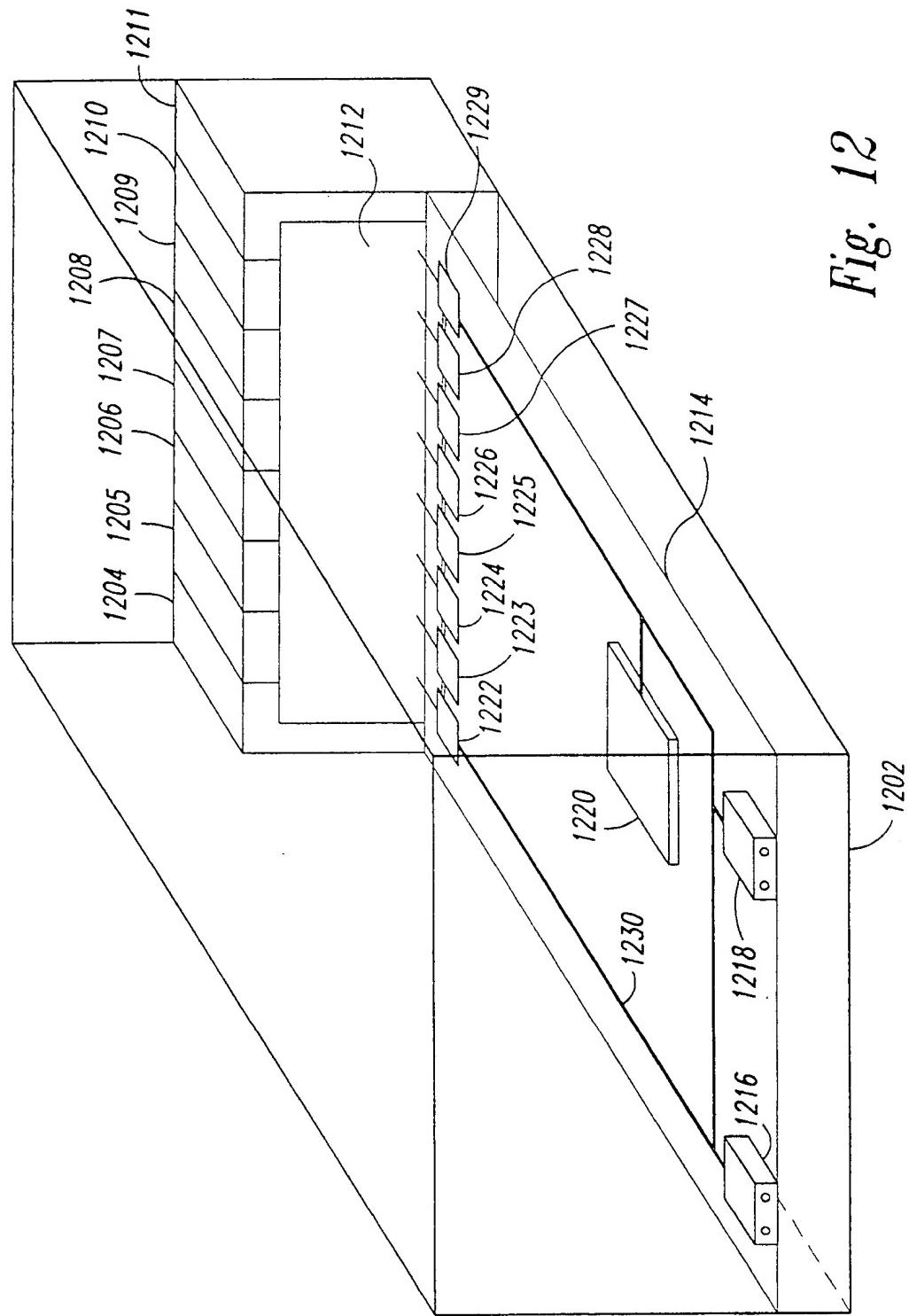
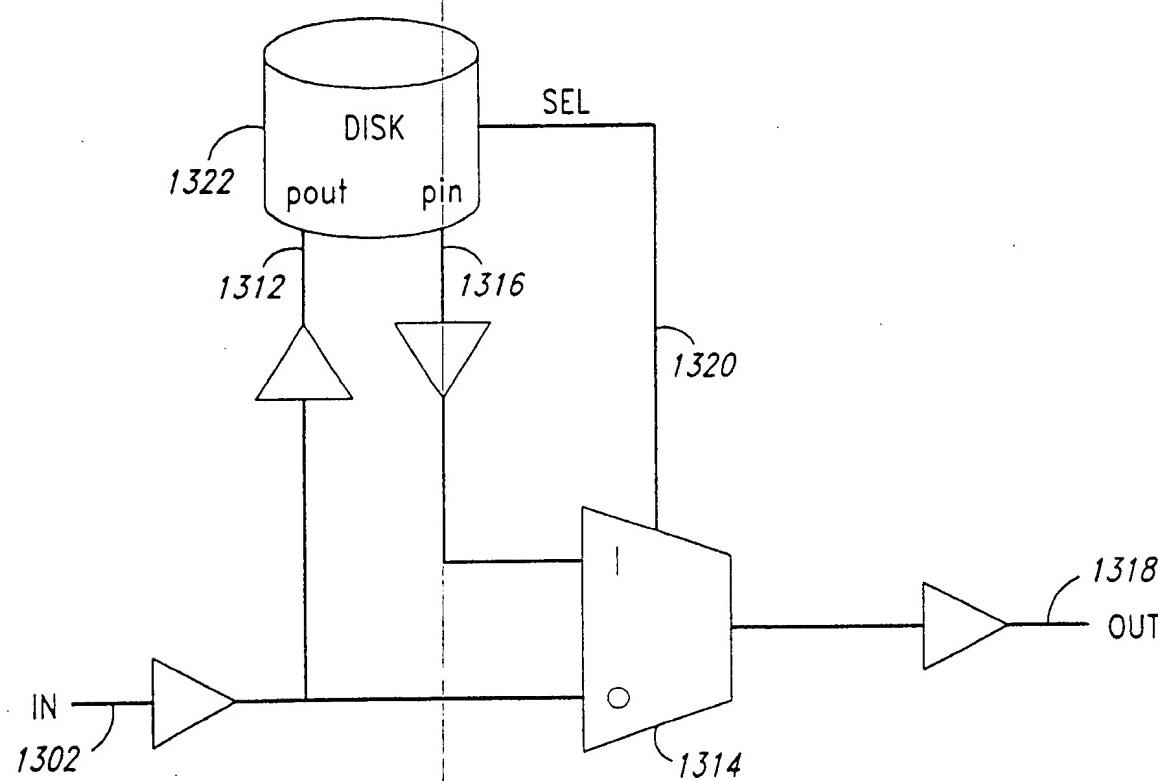
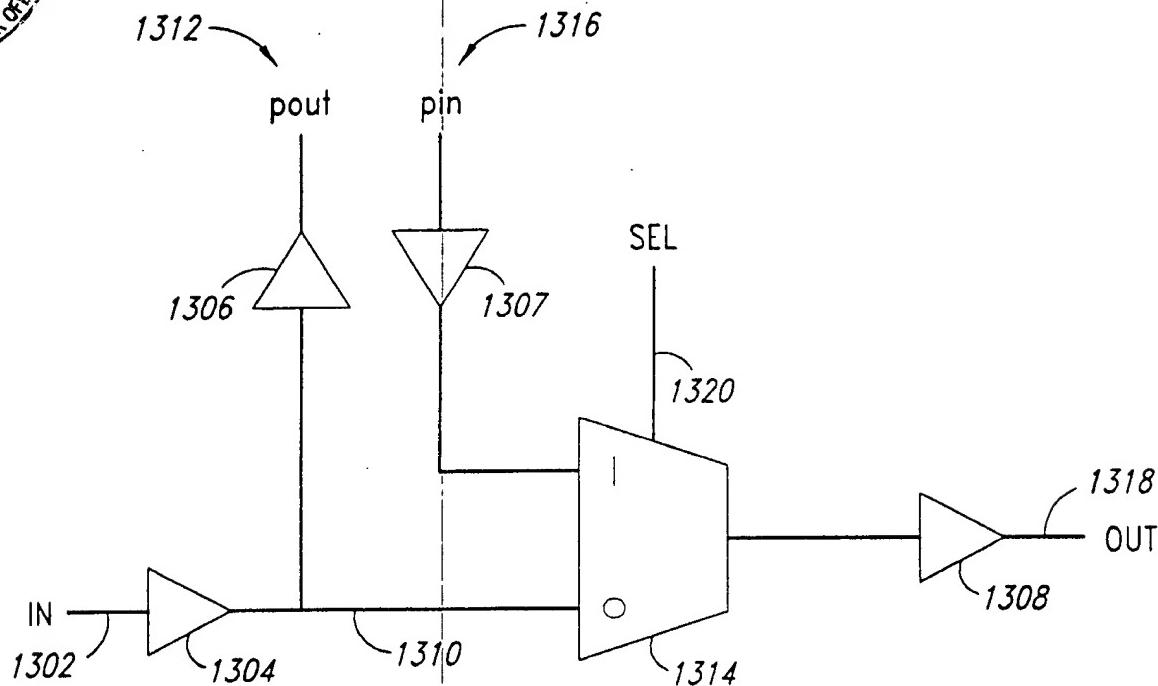


Fig. 12



Title: PRIVATE ARBITRATED I/OOP SELF-TEST MANAGEMENT FOR A FIBER CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 1098774-1





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Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

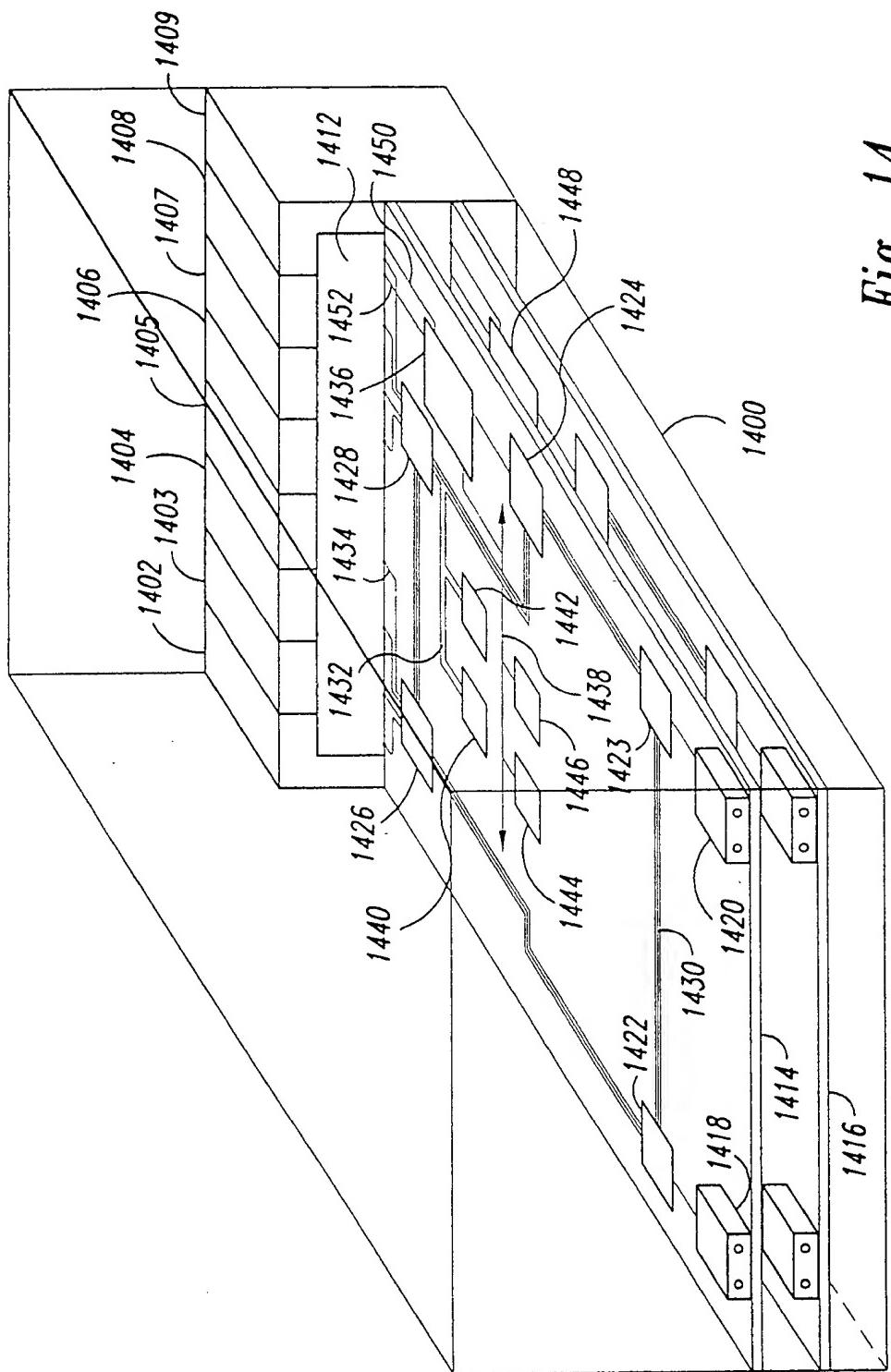


Fig. 14

O.I.P. E.J.C.
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Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A FIBER CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

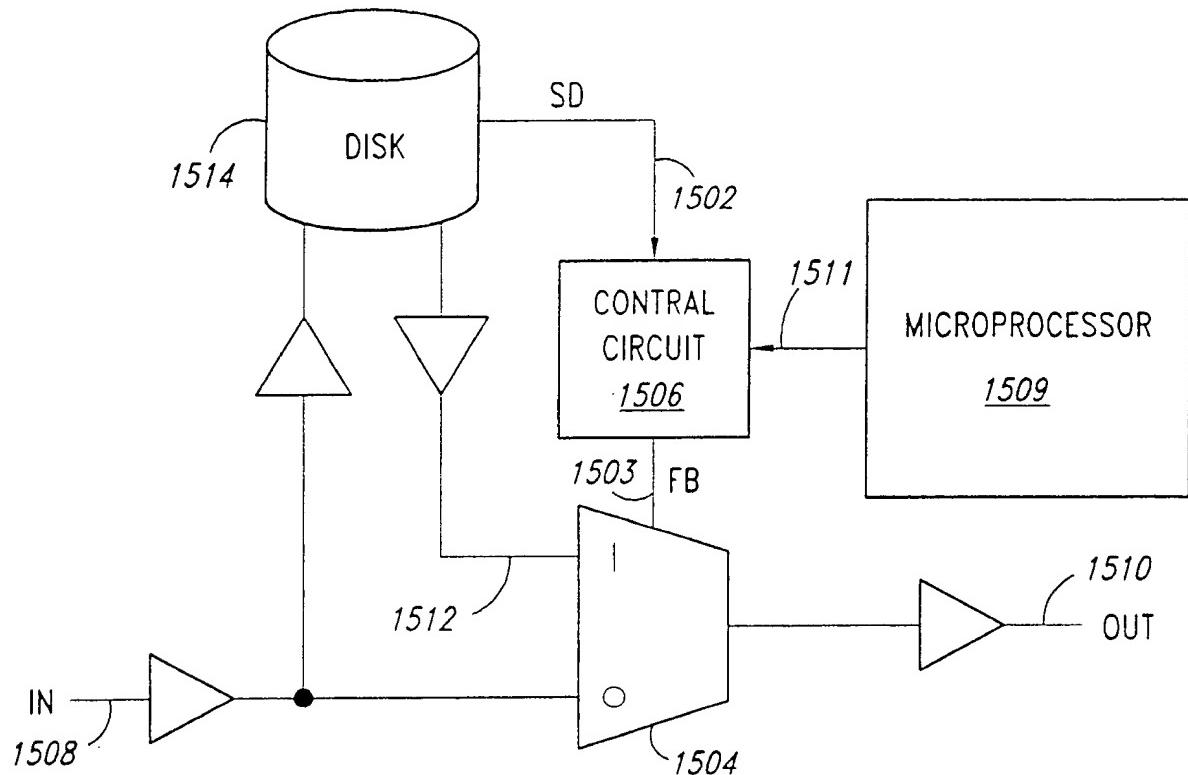


Fig. 15A

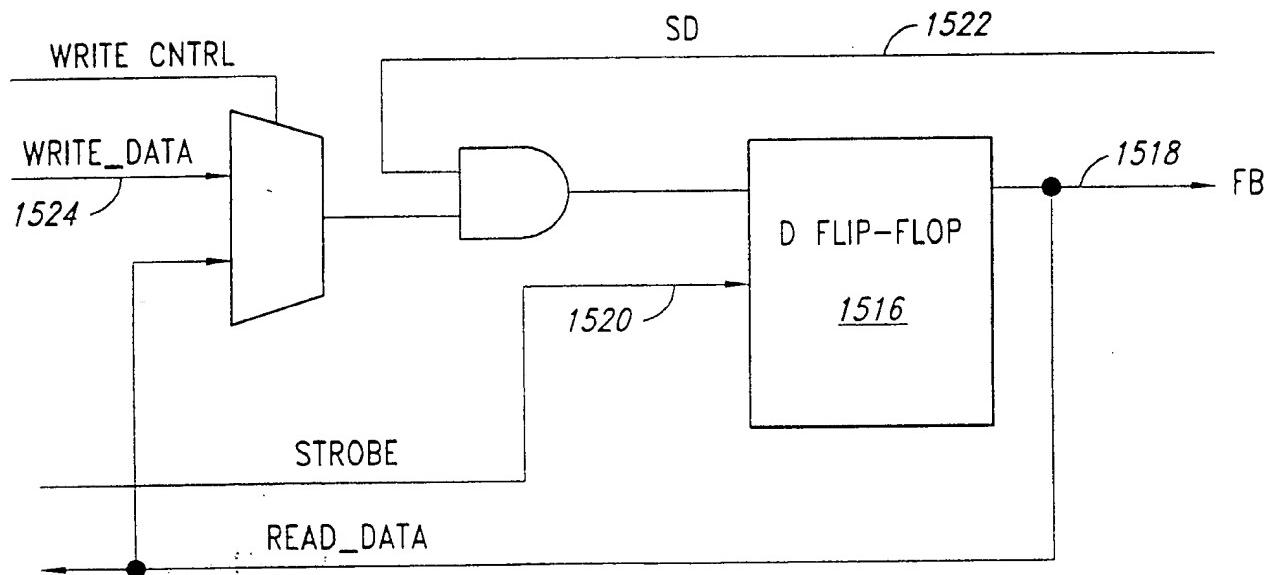


Fig. 15B



Title: PRIVATE AUTOMATED LOOP SELF-TEST MANAGEMENT FOR A FILE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

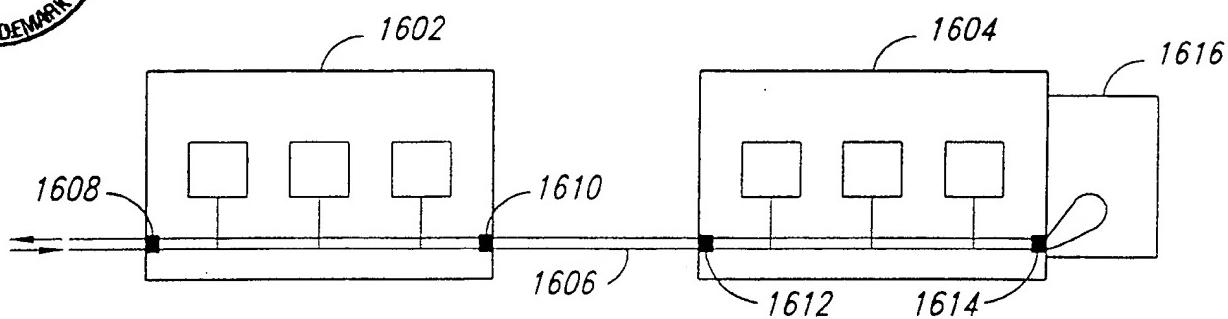


Fig. 16A

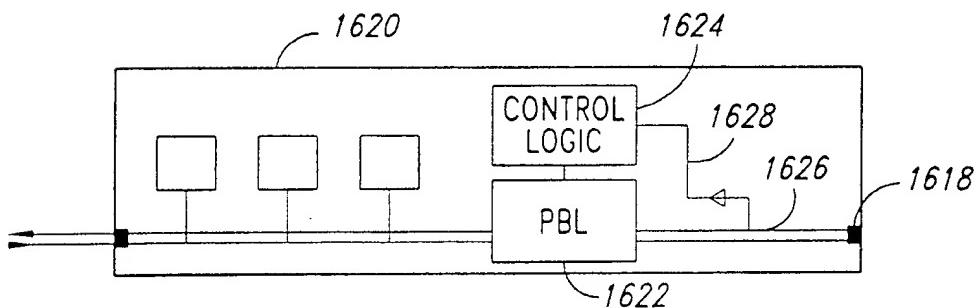


Fig. 16B

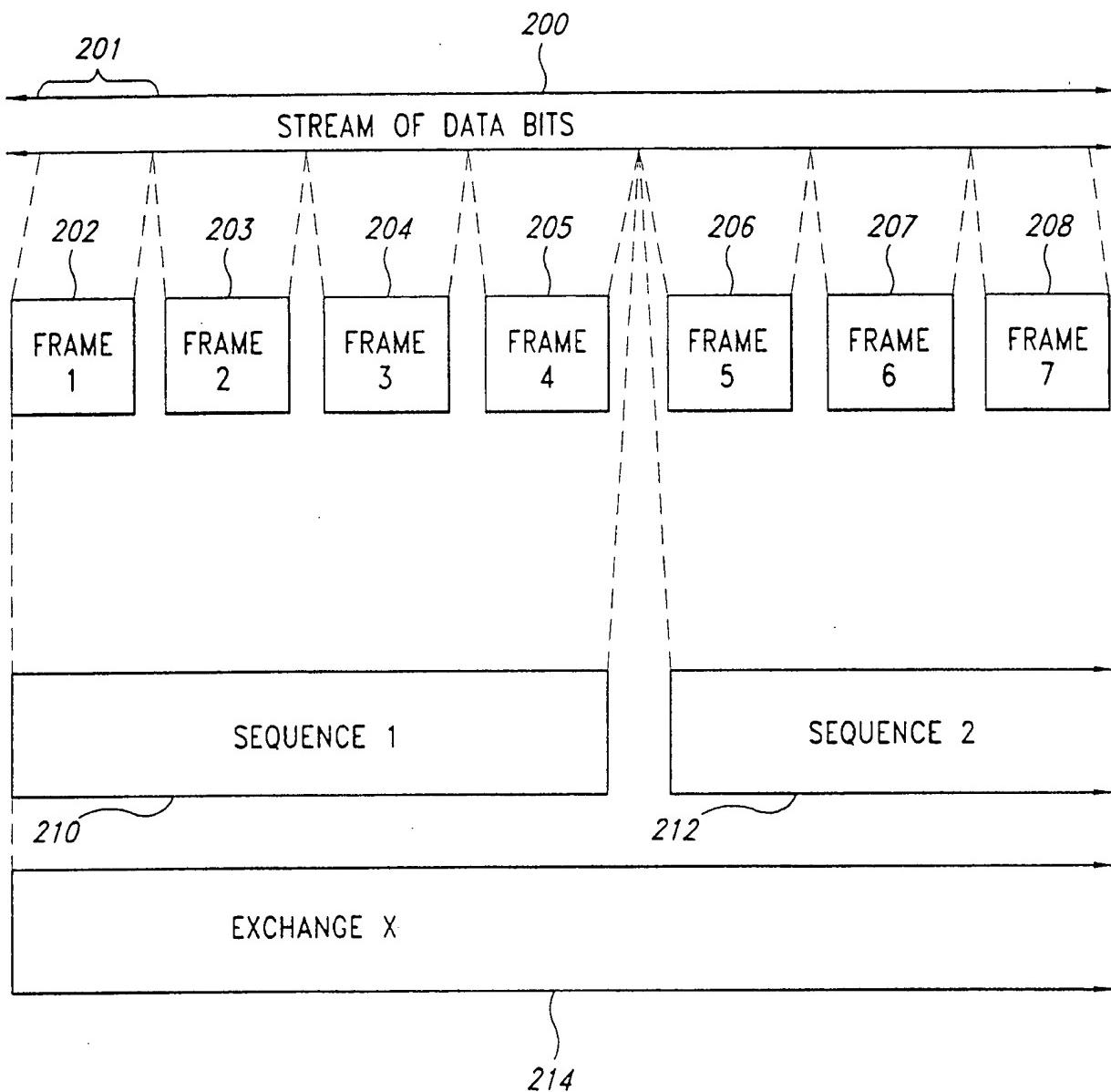


Fig. 2



Fibre Channel FCP Frame

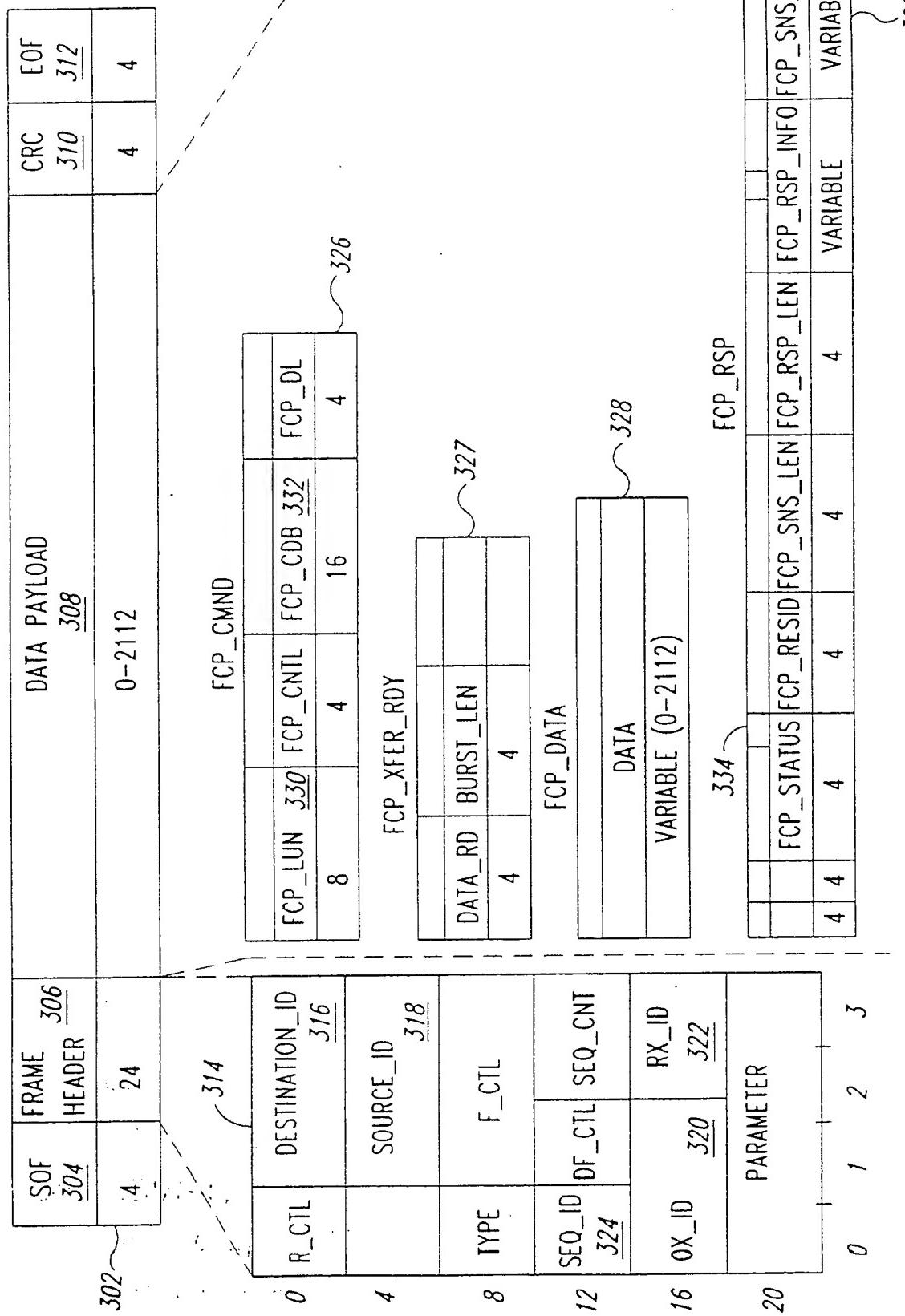


Fig. 3

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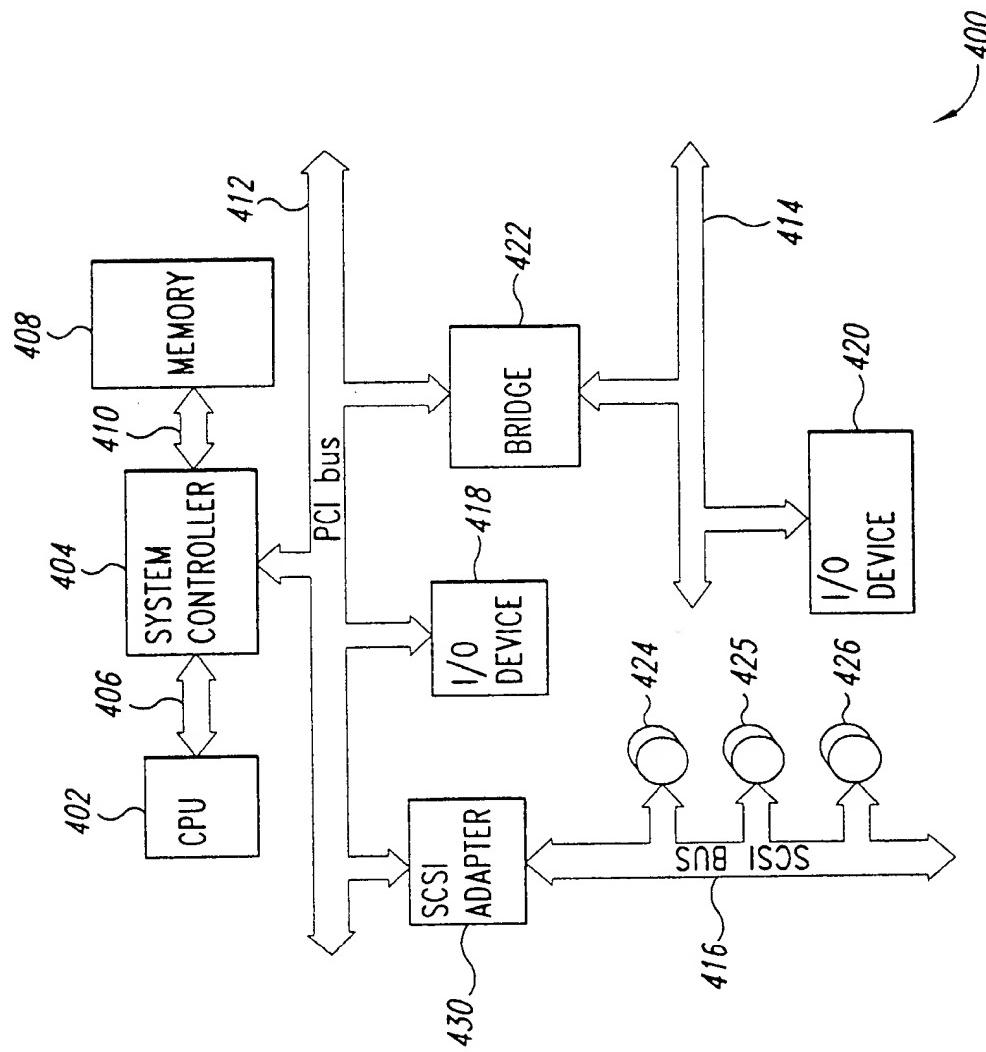


Fig. 4



Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT FOR A FIBER CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

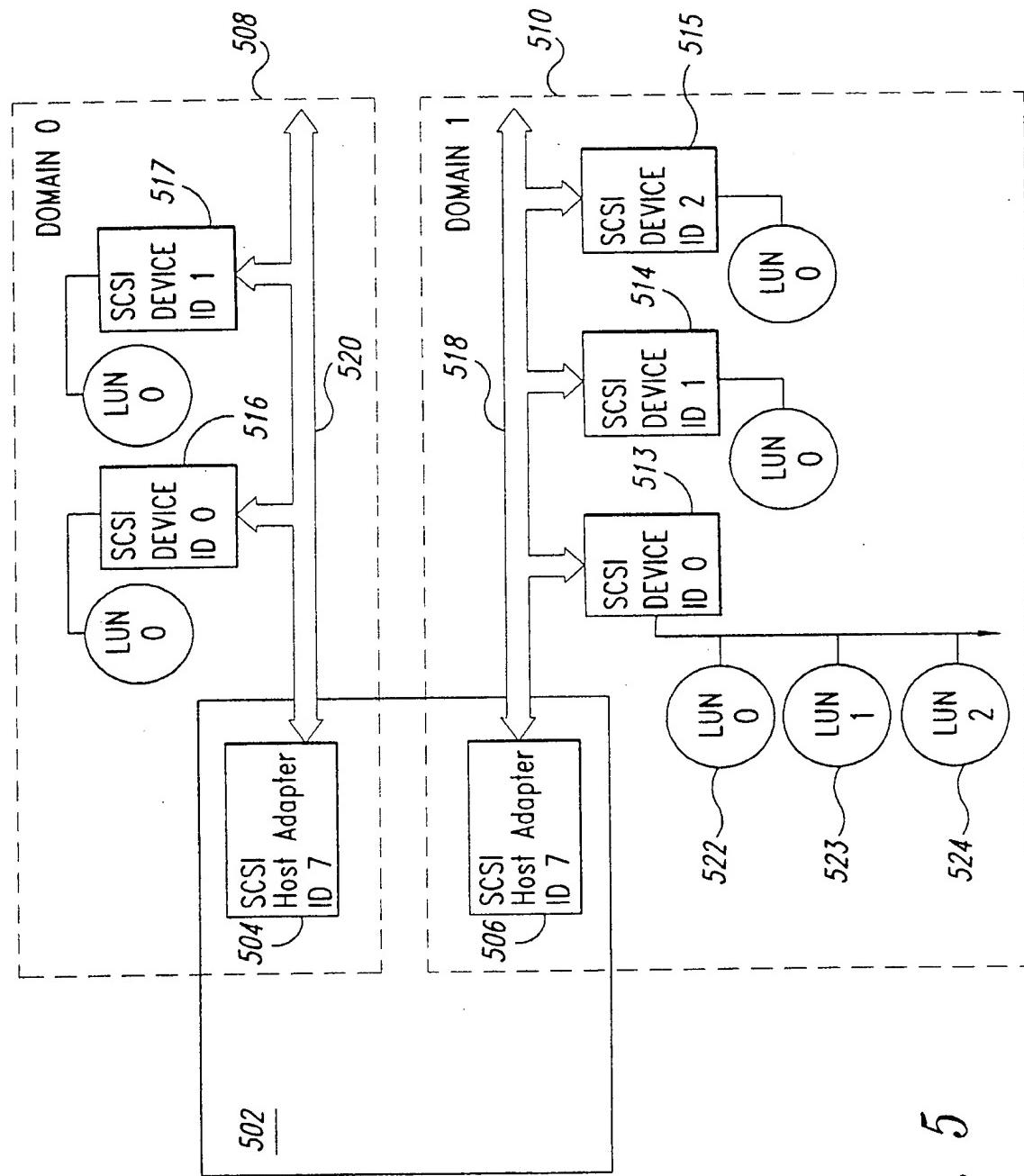


Fig. 5

Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT
 FOR A FIBER CHANNEL STORAGE ENCLOSURE
 Inventor(s): Timothy Anderson et al.
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INITIATOR		TARGET	
STATE	EVENTS	EVENTS	STATE
BUS FREE <u>614</u>			BUS FREE
ARBITRATION <u>616</u>	ASSERT BSY AND D7 ASSERT SEL		ARBITRATION
SELECTION <u>618</u>	ASSERT DX AND ATN		SELECTION
SELECTION <u>620</u>	DROP BSY DROP SEL	ASSERT BSY	SELECTION
MESSAGE OUT <u>622</u>	IDENTIFY DISCONNECT PRIVILEGE LUN	 623 624	MESSAGE OUT
MESSAGE OUT	QUEUE TAG MESSAGE SIMPLE QUEUE TAG	 626 627	MESSAGE OUT
COMMAND <u>628</u>	READ OR WRITE OPCODE (READ OR WRITE) FLAGS LOGICAL BLOCK NO. DATA LENGTH	 632 636 638	COMMAND
MESSAGE IN <u>640</u>	DISCONNECT	 642	MESSAGE IN
BUS FREE <u>644</u>		DROP BSY	BUS FREE

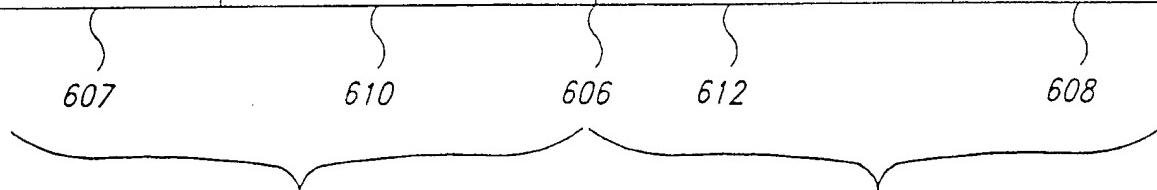


Fig. 6A



Title: PRIVATE ARBITRATED LOOP SELF-TEST MANAGEMENT
FOR A FIBRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

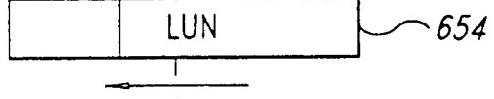
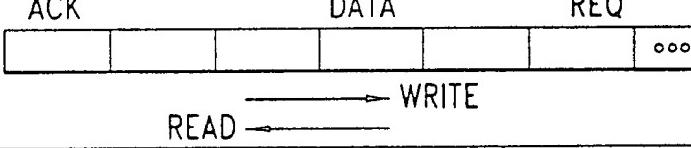
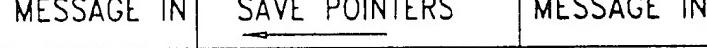
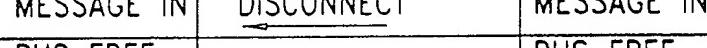
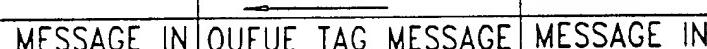
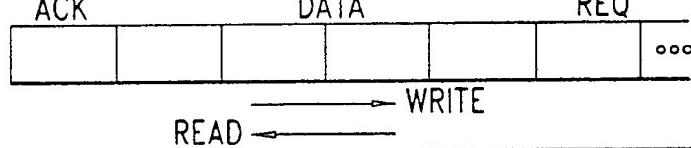
INITIATOR	TARGET	
STATE	STATE	
BUS FREE <u>646</u>		
ARBITRATION <u>648</u>	ASSERT BSY AND DX ASSERT SEL AND I/O	ARBITRATION
RESELECTION <u>650</u>	ASSERT DX AND ATN DROP SEL	RESELECTION
MESSAGE IN <u>652</u>	IDENTIFY 	MESSAGE IN
MESSAGE IN	QUEUE TAG MESSAGE 	MESSAGE IN
DATA IN (read) OUT (write) <u>658</u>	ACK DATA REQ 	DATA IN (read) OUT (write)
OPTIONAL DISCONNECT/ RECONNECT <u>660</u>	MESSAGE IN SAVE POINTERS 	MESSAGE IN
	MESSAGE IN DISCONNECT 	MESSAGE IN
	BUS FREE	BUS FREE
	ARBITRATION	ARBITRATION
	RESELECTION	RESELECTION
	MESSAGE IN IDENTIFY 	MESSAGE IN
	MESSAGE IN QUEUE TAG MESSAGE 	MESSAGE IN
DATA	ACK DATA REQ 	DATA
MESSAGE IN <u>662</u>	DISCONNECT 	MESSAGE IN
BUS FREE <u>664</u>	DROP BSY	BUS FREE

Fig. 6B



Title: PRIVATE ARBITRATED LQPP SELF-TEST MANAGEMENT
FOR A FIRE CHANNEL STORAGE ENCLOSURE
Inventor(s): Timothy Anderson et al.
Application No.: 09/192,547
Docket No.: 10981774-1

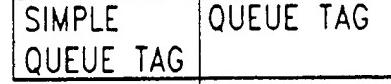
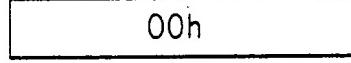
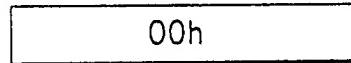
INITIATOR	TARGET	
state		state
BUS FREE <u>666</u>		BUS FREE
ARBITRATION <u>668</u>	ASSERT BSY AND DX ASSERT SEL AND I/O	ARBITRATION
RESELECTION <u>670</u>	ASSERT DX AND ATN DROP SEL	RESELECTION
MESSAGE IN <u>672</u>	IDENTIFY 	MESSAGE IN
MESSAGE IN	QUEUE TAG MESSAGE 	MESSAGE IN
STATUS <u>678</u>		STATUS
MESSAGE IN <u>682</u>	COMMAND COMPLETE 	MESSAGE IN
BUS FREE <u>686</u>	DROP BSY	BUS FREE

Fig. 6C